ABSTRACT

The use of biometric systems as one of the identification system has grown Your palms are included in one's biometric characteristics are unique, and stable, and immutability that is not easily damaged except for a severe accident, and the perennial nature of patterns that do not change as you age a person. Use the palm of the hand as the identification result in better quality than prints because more surface area than fingerprints and easier data acquisition.

Palm recognition systems for the employee attendance is the matching process is tested hand with a palm that claimed. The result is a decision whether the tested hands of legitimate users (genuine user) or invalid (user imposter). Acquisition process palm features leading to the success of verification.

In this final project has created a program using Matlab 2009b that the output is an interface which will consist of employee photographs, name, nip, clock in and clock out employees. Then there are devices (hardware) in the form of a box that contained a webcam to facilitate the process of making palm patterns directly (real time). The method used is the Phase-Only Correlation (POC). From the results of this study, a maximum accuracy of 69%, which slightly affects the accuracy of quality lighting generated in real time attendance for this system.

Keywords: Biometrics, Phase-Only Correlation, Palmprint, Image Processing